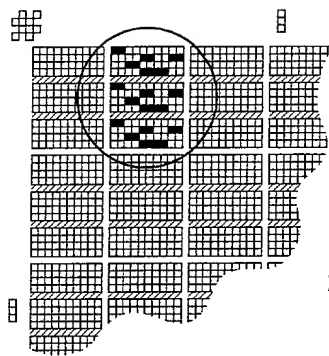


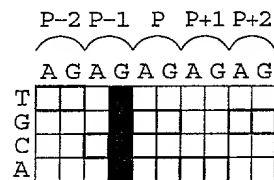
FIG. 2A



SEQUENCE AT POLYMORPHISM WI-567

5' TGCTGCCTTGGTTC [A/G] AGCCCTCATCTCTTT 3'

THREE BLOCKS OF COMPLEMENTARY
20-MER OLIGOS WITH SUBSTITUTIONS (N)
7, 10 AND 13 BP FROM THE 3' END



BASES IN THE SHADED COLUMNS

3' BLOCK 20/7 5'
AACCAAN[C] TCGGGAGTAGAG

3' BLOCK 20/10 5'
CGGAACCAAN[C] TCGGGAGTA

3' BLOCK 20/13 5'
CGACGGAACCAAN[C] TCGGGA

FIG. 2B

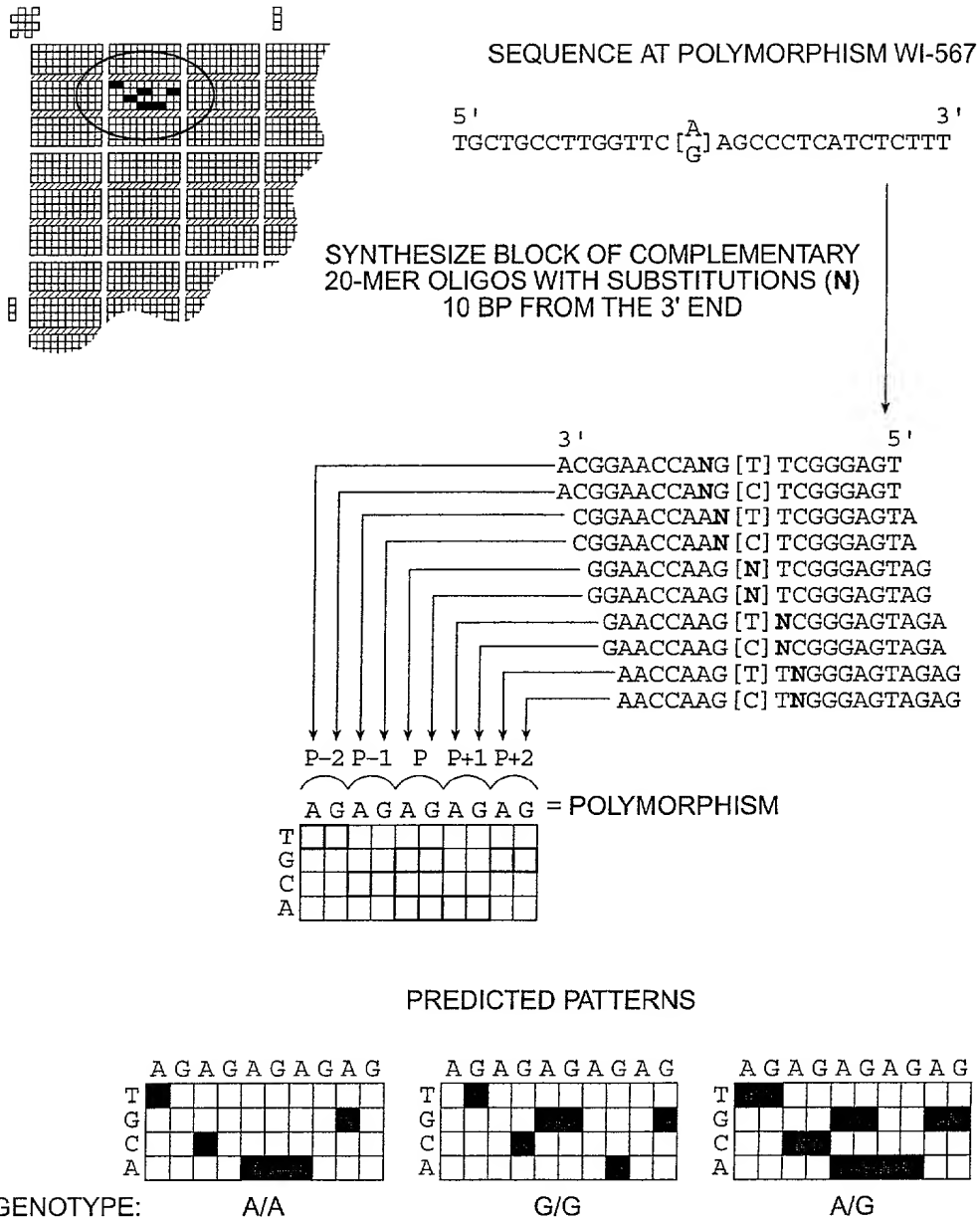


FIG. 3

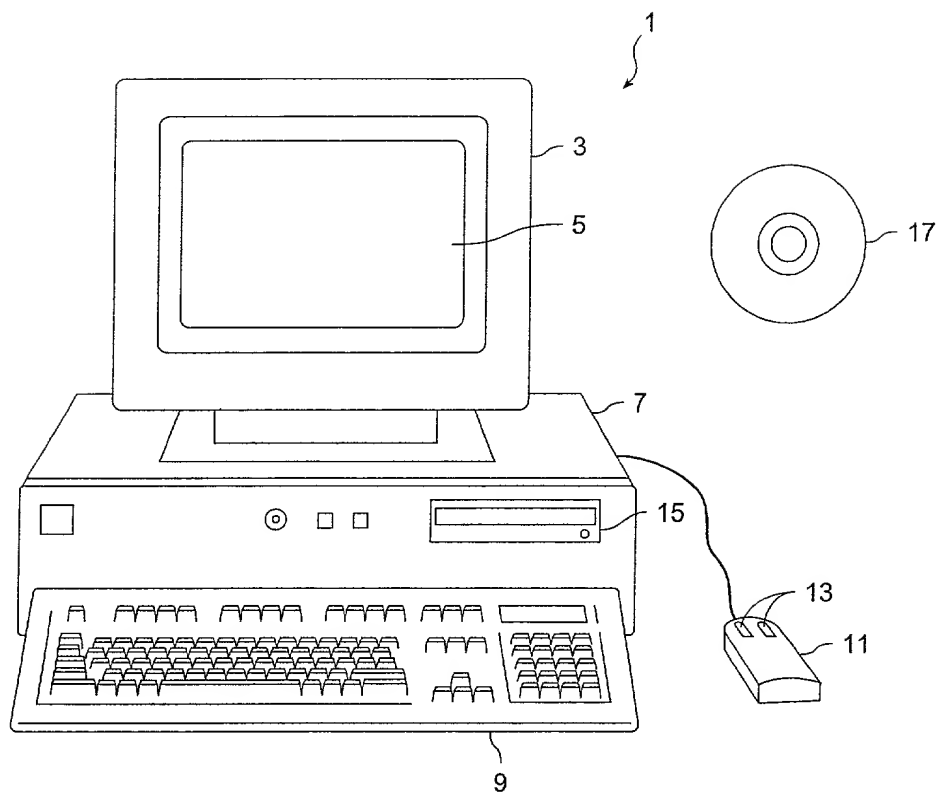


FIG. 5

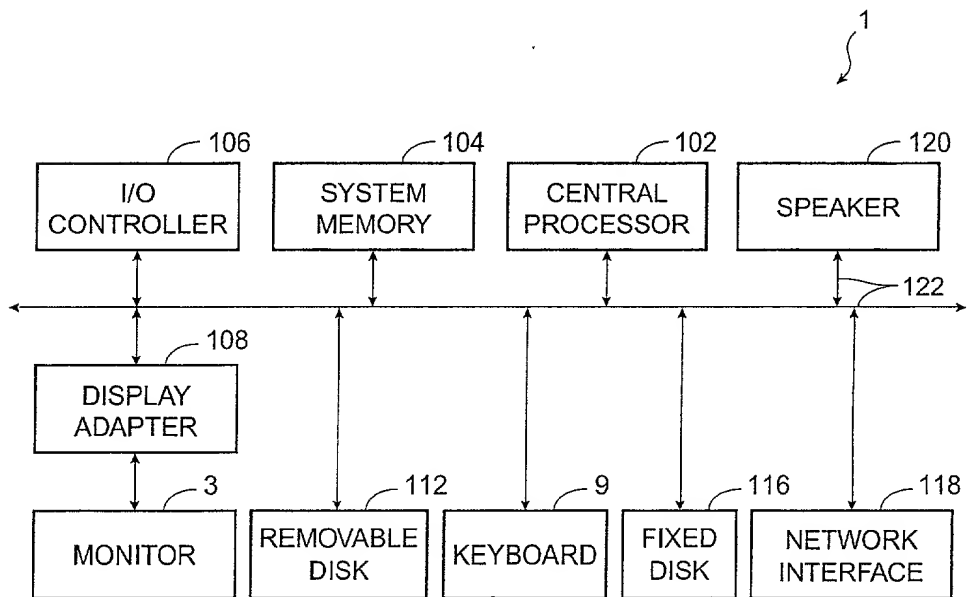


FIG. 6

	P-2		P-1	P0	P+1	P+2
	X		Y	X	Y	X
A						
C						
G						
T						

FIG. 7

	T		C		A	G
	A	G	A	G	A	G
A	nd	nd	nd	nd	nd	nd
C	nd	nd	DD	nd	nd	nd
G	nd	nd	nd	nd	nd	nd
T	nd	nd	NN	nd	nd	nd

FIG. 8

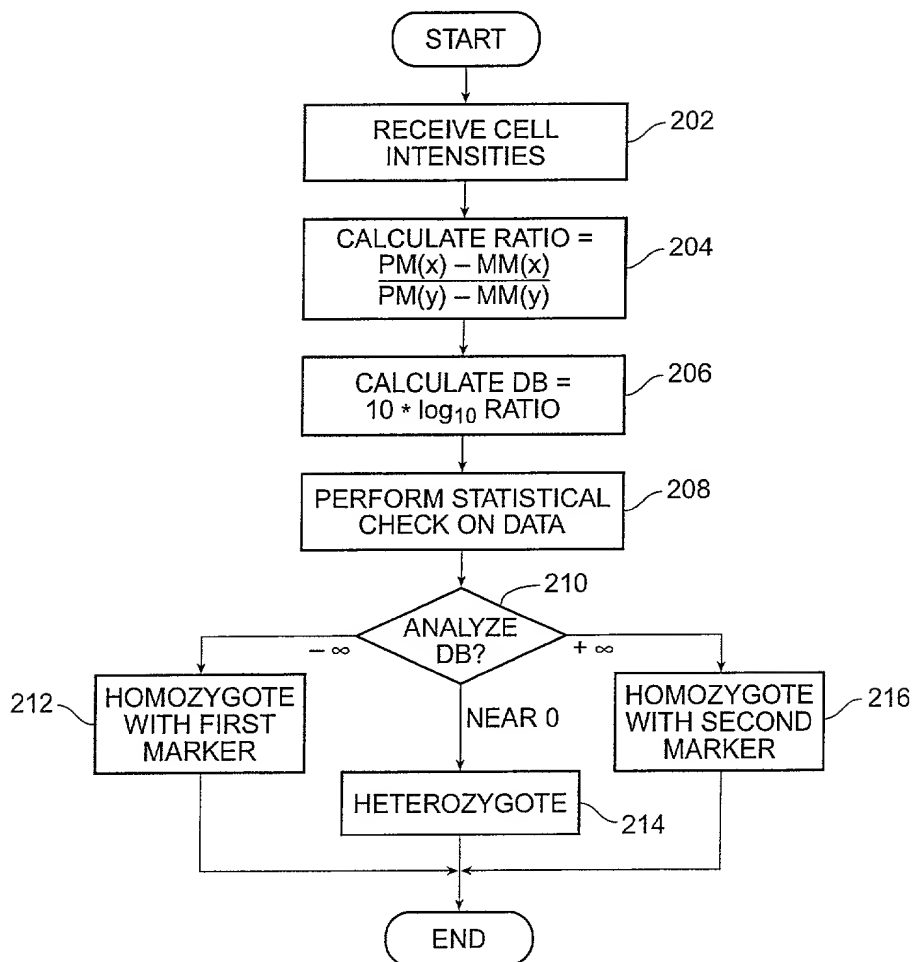


FIG. 9

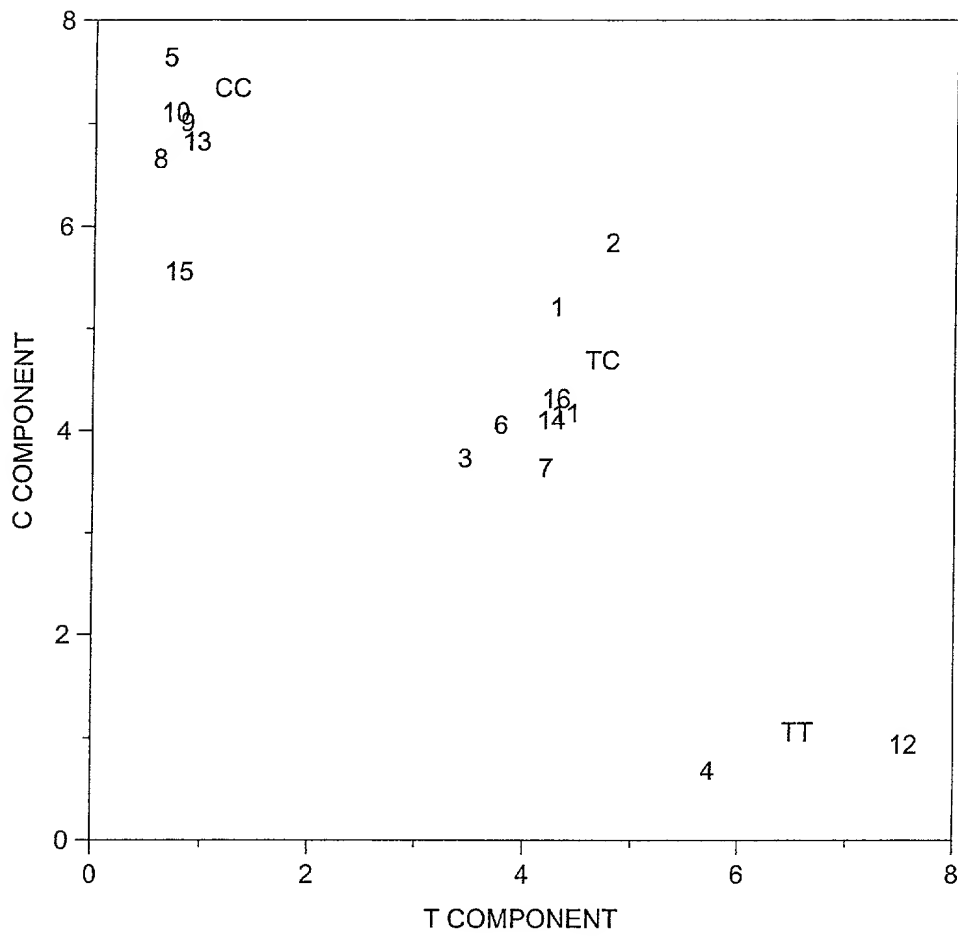
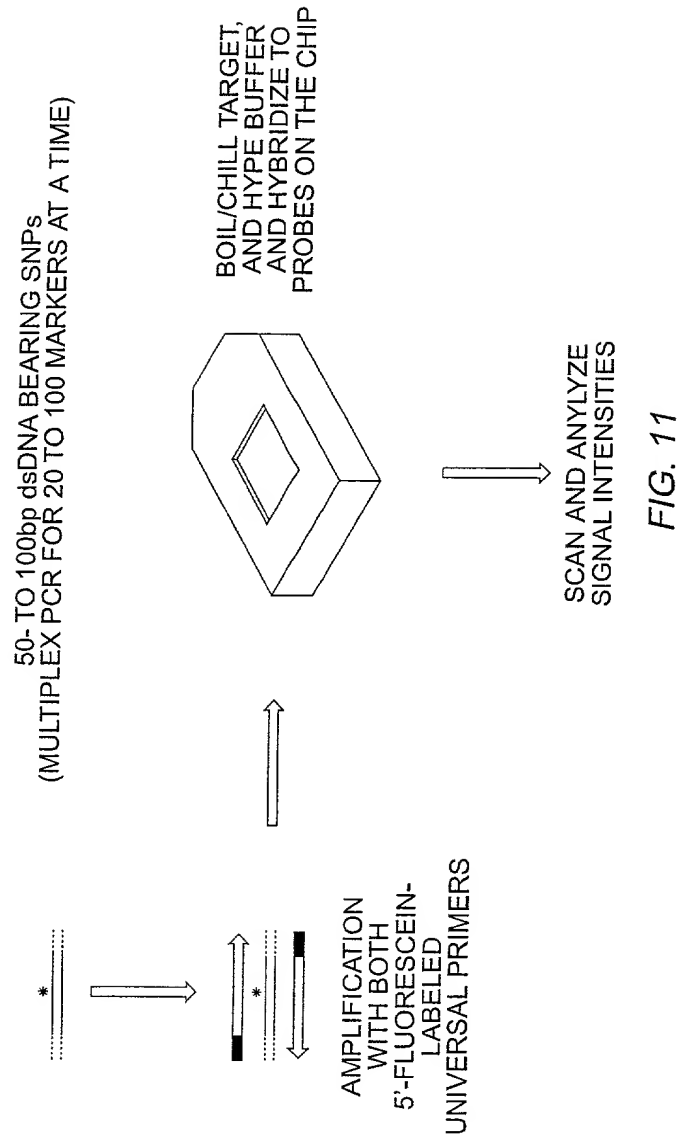


FIG. 10

+



+

10/10

DB = "DECIBELS" = $10 \times \log(\text{DETECTION RATIO})$

DETECTION RATIO = $\frac{A \text{ PERFECT MATCH} - A \text{ MISMATCHES}}{B \text{ PERFECT MATCH} - B \text{ MISMATCHES}}$

C = SIGNIFICANCE CHECK = $\frac{\text{MAX}(A \text{ OR } B \text{ PERFECT MATCH})}{\sigma(A \text{ OR } B \text{ MISMATCHES})} > 2$

P = PATTERN MATCHING = $\frac{\text{MEAN}[\text{MAX}(A \text{ OR } B \text{ PERFECT MATCHES})]}{\text{MEAN}[\text{MAX}(A \text{ OR } B \text{ MISMATCHES})]} > 1.2$

PREDICTED PATTERNS

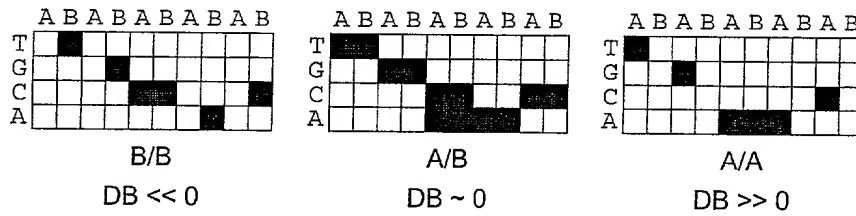


FIG. 12

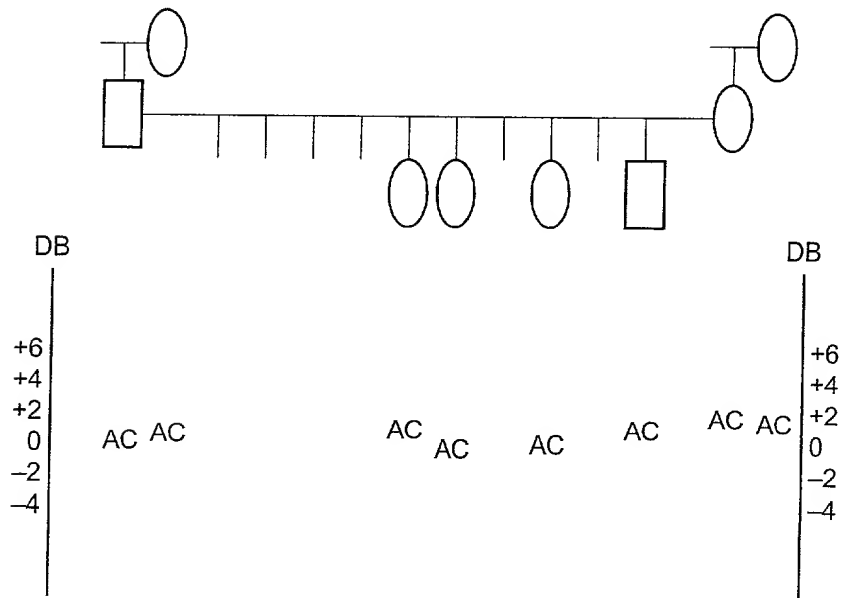


FIG. 13